

# Phantom P65

Flush-frame ceiling speaker

## Product Description

Our patent-pending Phantom® P65 mounting system positions the speaker system flush with the ceiling for a clean, architectural look.

## Distributed Audio Systems

The Phantom P65 speakers have high sensitivity, making them perfect for multi-room systems. With broad off-axis dispersion (-6dB at 45°), these speakers will easily fill a room up to 3,000 ft<sup>3</sup>.

## Theater Systems

Vocal Integrity® system design allows use of these speakers as front LCR's in theater systems. Smooth octave-to-octave transition means vocals are clear and distinct, on-screen effects are easy to pin-point.

## Product Features

- Sits flush with the ceiling.
- Can be used in new construction or retrofit applications.
- Constrained High Mass Frame combines aluminum with a 1" MDF baffle for greater clarity in the midrange and bass.
- Anodized aluminum bass unit for increased impact and transient response.
- Pi Space Tuning allows placement near walls.
- All metal Slot/Lock® clamping system forms a tight leak-free seal with the ceiling.
- Pure silk tweeter with neodymium motor.
- Weather-resistant design can be used in environmental extremes.
- White micro-perf grilles appear flush to the ceiling.

**BAYAUDIO**

## Product Construction

### Phantom® Mounting System

Our unique mounting system recesses the speaker into the ceiling for a clean, architectural appearance. Your drywall contractor simply muds our mounting ring into place. The speaker attaches after the ceiling ring is painted — and can be removed at any time.

### Constrained High Mass Frame

Modeled after our acclaimed JAM in-wall speakers, we combine an aluminum frame, a closed-cell foam damping layer, and a 1" sheet of medium density fibreboard for true sonic fidelity. By using this frame, instead of a typical plastic unit, we dramatically increase the sonic impact of the system. You'll hear deeper bass, and improved midrange clarity.

### Drive Units

Our audiophile silk dome tweeter is the key to our system's performance. This high power handling, broad dispersion drive unit spreads sound evenly throughout the room.

Our anodized aluminum bass unit stays pistonic throughout its operating range — for reduced distortion and truer reproduction.

### Pi Space Tuning

Our exclusive Pi Space Tuning overcomes "bloated" midbass gain when the speaker is placed near walls — a situation likely to occur when used as LCR's.

### Vocal Integrity® System Design

We've designed and tested our systems to exhibit the lowest level of distortion in the critical midrange — especially off axis. This requires attention to all elements of the design, from driver parameters to crossover tolerances. The end result is a speaker that outperforms the field when used in theater applications.

### Micro-Perf Grilles

Our super-fine grilles can be painted to further blend into your ceiling.

### Weather Resistant Construction

You can place the P65 speaker in high humidity areas, like kitchens, bath, and protected outdoor settings. All exposed components are weather resistant.



**For retrofits, fold the hinged Mounting Frame and slip into a precut ceiling hole.** The 1" MDF Mounting Frame creates a solid mounting surface for the Mud Ring.



**Align the Aluminum Mud Ring, and attach to the Mounting Frame.** Use drywall screws to attach the Mud Ring to the Mounting Frame installed in the ceiling. Hundreds of holes give the mud plenty of grip.



**After mud and paint you have a sharp, clean mounting hole.** The P65 installs like our other speakers: with our Slot/Lock mounting clamps. Installation is easy and clean.



## Specifications

### Maximum Output

106dB (with 100w)

### Room Size

Up to 4,500 ft<sup>3</sup>

### Near-Field Response

50-20,000 Hz

### 6dB Downpoint

40 Hz

### Coverage Angle (-6dB)

70° Radial

### Sensitivity (1w, 1m)

86dB

### Impedance

8 ohms

### Tweeter

1" silk dome

### Bass Unit

6½" aluminum cone

### Weight

5 lbs. each

### Depth In Wall

4¼"

### Cutout Dimension

7<sup>5</sup>/<sub>8</sub>"

### Outer Dimension

7<sup>3</sup>/<sub>4</sub>"

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